

AMENDMENTS TO THE CLAIMS

1-114 (Canceled).

115 (New). A method comprising
deploying a catheter in association with tissue at or near a sphincter, the catheter carrying a mapping device,
operating the mapping device to detect electrical events in the tissue,
analyzing the detected electrical events,
diagnosing dysfunction affecting the tissue based, at least in part, upon the analysis,
selecting at least one target tissue treatment site based, at least in part, upon the analysis,
deploying a catheter in association with the at least one target tissue treatment site, the catheter carrying a treating device, and
operating the treating device to alter the detected electrical events and thereby treat the dysfunction.

116 (New). A method according to claim 115
further comprising, after operating the treating device, repeating an operation of the mapping device to detect electrical events in the tissue, re-analyzing the detected electrical events, and determining whether the dysfunction has been treated based, at least in part, upon the re-analysis.

117 (New). A method according to claim 116
further comprising, after a determination that the dysfunction remains, repeating an operation of the treating device.

118 (New). A method according to claim 115
wherein deploying the catheter in association with tissue at or near a sphincter includes deploying the catheter adjacent tissue in an esophagus.

119 (New). A method according to claim 115
wherein deploying the catheter in association with tissue at or near a sphincter includes deploying the catheter adjacent tissue in a stomach.

120 (New). A method according to claim 115

wherein deploying a catheter in association with tissue at or near a sphincter and deploying a catheter in association with the at least one target tissue treatment site comprising deploying a single catheter carrying both a mapping device and a treating device.